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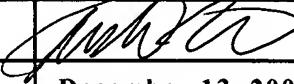
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PTO/SB/21 (01-03)  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application / Conf. No.	10/815,483 / 8508
		Filing Date	April 01, 2004
<b>Mail Stop: AMENDMENT</b>		First Named Inventor	Stephen M. Trimberger
		Examiner Name	Phallaka Kik
<b>Express Mail Receipt No.</b>		Art Unit	2825
		Patent No.	
Total Number of Pages in This Submission		Attorney Docket Number	<b>X-940-1P-1P-2P US</b>

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Amendment / Reply <ul style="list-style-type: none"> <li><input type="checkbox"/> Preliminary Amendment</li> <li><input type="checkbox"/> After Final</li> <li><input type="checkbox"/> Affidavit(s)/declaration(s)</li> </ul> <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Change Status to LARGE ENTITY <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Substitute PTO-1449(s) IDS by Applicant (PTO/SB/08A) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <ul style="list-style-type: none"> <li><input type="checkbox"/> Response to Missing            Parts under 37 CFR            1.52 or 1.53</li> </ul>	<input type="checkbox"/> Assignment Papers (with Recordation Cover Sheet) <input type="checkbox"/> Declaration / Oath <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition -  <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>			
Firm or Customer Number	24309	(Customer Number)	Reg. Number 51,959
Attn:	Justin Liu		
Signature			
Date	December 13, 2006	Charge any additional fees required/credit any overpayment to our Deposit Account Number: 24-0040	

<b>CERTIFICATE OF MAILING</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on this date:			
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Signature			
		Date	December 13, 2006

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IN THE UNITED STATES PATENT OFFICE

Applicants: Stephen M. Trimberger et al.  
Assignee: Xilinx, Inc.  
Title: "Application-Specific Methods for Testing Molectronic or Nanoscale Devices"  
Serial No.: 10/815,483 Filed: April 1, 2004  
Examiner: Phallaka Kik Art Unit: 2825  
Docket No.: X-940-1P-1P-2P US Conf. No.: 8508

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Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

AMENDMENT IN RESPONSE TO THE FIRST OFFICE ACTION

Dear Sir:

In response to the First Office Action mailed from the Patent Office on September 18, 2006, reconsideration and allowance of the application are respectfully requested in view of the amendment and remarks below.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 12 of this paper.